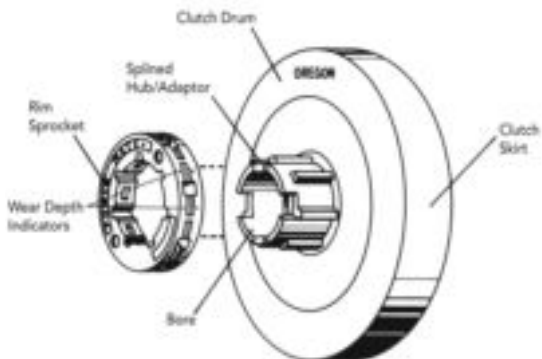


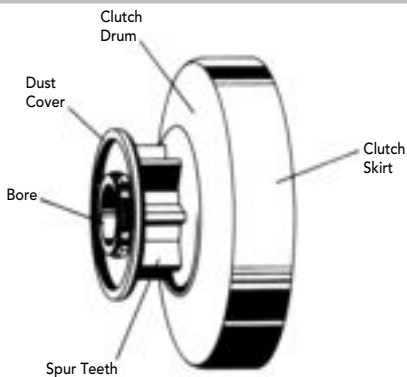
88 Drive Sprockets

OREGON® SPROCKET TERMS

RIM SPROCKET

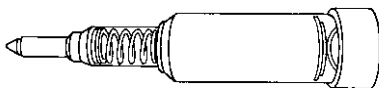


SPUR SPROCKET



OREGON® SPROCKET-MAINTENANCE TOOLS

GREASE GUN

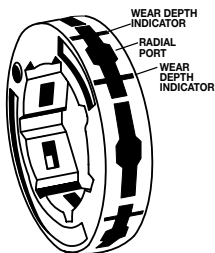


PART NUMBER, EACH: 40469-A
40-PACK: 31187-A

OREGON® RIM SPROCKETS WITH WEAR-DEPTH INDICATORS

The free-floating rim is the component of a sprocket system which is replaceable.

- Popular Oregon® rims have wear-depth indicators. When sprocket wear reaches the depth of the indicator, it's easy to see that it's time to replace the rim.



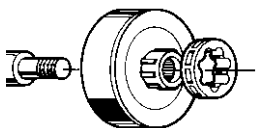
- Popular Oregon® rims also have a radially ported design which uses centrifugal force to throw off sawdust and debris.

INSTALLING SPROCKETS

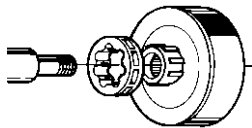
Oregon® sprockets can be installed on chainsaws having either inboard-clutch or outboard-clutch assemblies. Follow instructions in the operator's manual provided by your chainsaw's manufacturer for correct sprocket installation.

The illustrations below are for general reference only. Do not use them as instructions for sprocket or clutch assembly.

INBOARD CLUTCH



OUTBOARD CLUTCH



90 Drive Sprockets

OREGON® SPROCKET MAINTENANCE

ATTENTION: Oregon® urges dealers, chainsaw users, and anyone who services sprockets to become familiar with proper sprocket-maintenance techniques and the possible dangers which can result if sprockets are not properly maintained.

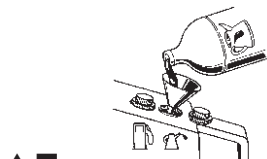
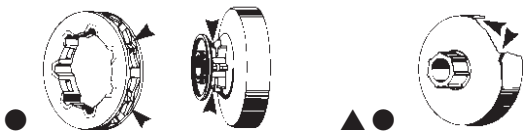
⚠ WARNING

Always turn off your saw's engine before handling the chain, guide bar or sprocket. Failure to do so can result in severe injury.

Your drive sprocket, the third member of the cutting team, deserves regular attention and maintenance just like your bar and chain. A misused sprocket will cause patterns of chain wear which can damage the guide bar and reduce the life of all three components. A damaged sprocket cannot be repaired, it can only be inspected and replaced. Here are the things to look for, and the steps to take.

BASIC SPROCKET-MAINTENANCE TASKS

▲ Before use ■ Often ● Daily ◆ Weekly ⊘ Never

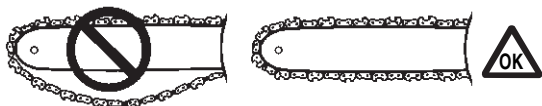


CONTINUED...

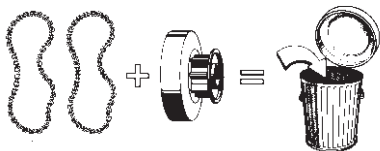
BASIC SPROCKET-MAINTENANCE TASKS (CONTINUED)



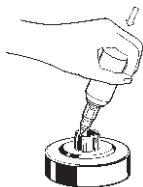
▲ ■ Chain tension is especially important when the saw is tipped on its side during felling cuts. Loose chain (and rim-type sprocket, if used), will slide down and out of alignment with the bar. Loose chain tension is the leading cause of sprocket problems.



● Clean any buildup of sap or debris from splined hub so rim sprocket can float freely.



◆ Do not run old chain on a new sprocket, or a new chain on an old sprocket. Use two new chains in rotation with each new sprocket so all can wear together. Replace sprocket every two chains, or sooner.



◆ Apply clean grease to the clutch drum's bearings each time the sprocket is removed.

92 | Drive Sprockets

SPROCKET TROUBLESHOOTING

Most sprocket problems are caused by loose chain tension and failure to replace the sprocket or clutch drum when necessary.

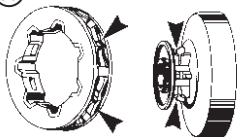
Sprockets are inexpensive. One worn inexpensive sprocket can rapidly damage an expensive chain and bar. Do not try to save money by running new chains on old sprockets. Look for the conditions below and replace sprockets and clutch drums promptly.

NOTE If your saw has a chain brake, check the chain brake's action according to the instructions in your saw operator's manual. Be sure the chain-brake strap around your clutch skirt is not too tight when the brake is not engaged, which can lead to clutch-drum overheating and failure.

Look closely at your sprocket and compare it to the following illustrations. See the following page for remedies to these problems.

PROBLEM Sprocket/Clutch drum failure

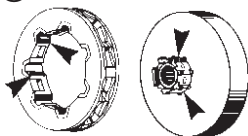
38



Worn outer surfaces on rim sprockets or spur sprockets.

Remedy: See **Z**.

39



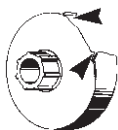
Worn inner surface on rim sprockets, or wear on the adapter's splines.

Remedy: See **AA**.

CONTINUED...

SPROCKET TROUBLESHOOTING (CONTINUED)

40



Cracks or breakage on the clutch drum. **Remedy:** See **BB**.

41



Obvious wear or discoloration around the outer circumference of the drum skirt. **Remedy:** See **CC**.

42



Excessive wear on the inside surface of the drum skirt. **Remedy:** See **DD**.

REMEDIES: (Z-DD)

- Z.** Such outer surface wear is normal over time. Replace rim sprockets and spur sprockets when wear is 1/64" deep. Never run chain on severely worn sprockets. Severely worn sprockets could break during operation. This remedy applies to picture (38).
- AA.** Such wear indicates that chain drive links are bottoming out on the adapter's splines. Replace the clutch drum. Replace the rim sprocket. This remedy applies to picture (39).
- BB.** Do not attempt to repair cracked or broken clutch drums. Replace the drum. This remedy applies to picture (40).
- CC.** Replace the drum. Have your chainsaw dealer adjust the chain-brake strap. This remedy applies to picture (41).
- DD.** Replace the drum. Have your chainsaw dealer service the saw's clutch. This remedy applies to picture (42).